F=PxA F=500x(0.4x0.8) F=500x0.32 =160N

Q: Why can’t you trust an atom?

A: They make up everything.

Pmax=F/A Pmax=850/0.4x0.3 Pmax=850/0.12

=7083 .333N/m²

Pmin=F/A Pmin=850/0.5x0.4 Pmin=850/0.2 =4250N/m²

[Grab your reader’s attention with a great quote from the document or use this space to emphasize a key point. To place this text box anywhere on the page, just drag it.]

1

**The National Orthodox School /Shmaisani**

**Subject: Science**

**/**

**Physics**

**Name:**

**Title:**

**Pressure**

**Worksheet**

**Date:**

**Grade**

**-**

**Section:**

**8**

**-**

**……**

**CS**

Question 1)

A block of weight 850N has

a length of 0.5

m and a width of 0.4 m

and a height of 0.3

m

.

a)

Find the smallest pressure that this block

exerts o

n the ground

.

b)

F

ind the

largest press

ure that this

block

exerts on

the ground.

Question

2

)

The force applied to a 0.4

c

m by 0.8

c

m brake pad produces a

pressure of 500 N/

c

m². Calculate the force applied to the brake pad.